

SX-1LE Digital Production Environment

- ▶ Flexible 40-input, 32 x 8 digital mixing console
- ▶ 5.1 Surround Mixing
- ▶ 16 high-quality phantom-powered XLR mic inputs
- ▶ 16-track uncompressed recording at 48kHz/24-bit
- ▶ 6-channel stem recorder
- ▶ Intuitive user interface using mouse, keyboard and display to view waveform, MIDI and automation data
- ▶ SMPTE Timecode Input
- ▶ Built-in CD-RW drive
- ▶ Up to four real-time effects with TASCAM DSP plug-ins like reverb and chorus
- ▶ 8-channel ADAT optical digital input/output
- ▶ Three expansion slots add an additional 24 inputs and outputs
- ▶ 320 x 240 LCD display
- ▶ VGA display output
- ▶ Jog/Shuttle Wheel
- ▶ 128-track MIDI Sequencer
- ▶ Two MIDI inputs and four MIDI outputs
- ▶ Dimensions: 261mm(H) x 954mm(W) x 760mm(D)
- ▶ Weight: 40kg

The SX-1LE is a full-featured digital workstation designed for musicians and recording professionals. Based on the SX-1, it provides professional features like 24-bit recording, 40-input surround mixing, touch-sensitive moving faders, a VGA output and 128-track MIDI sequencing for under \$3,000*.

Despite its professional quality and flexibility, the SX-1LE retains the ease-of-use that musicians demand. The recording section is de-



signed so that you can begin recording music after only four button presses. Its 16-track, 24-bit hard disk recorder is based on our best-selling MX-2424 recorders for world-class sound quality and reliability. Virtual tracks, up to 999, mean that you don't need to record over a take to try it again. The LCD display and VGA monitor output make it simple to see what you've recorded and, along with the included mouse and keyboard, provide an editing interface to rival high-end digital workstations.

The SX-1LE has a generous amount of inputs and outputs for large recording sessions. Sixteen great-sounding XLR microphone inputs with phantom power are within easy reach. 16 balanced 1/4" line inputs, ADAT optical digital and much more I/O is also available. You can add up to 24 more

channels of digital or analog I/O through expansion cards. The SX-1LE provides a flexible signal routing system controlled by a powerful user interface.

The 128-track MIDI sequencer adds even more recording capability. With four MIDI outputs, your arrangements have access to 64 MIDI channels. The SX-1LE's SMPTE and MIDI timecode inputs allow synchronization with sequencers, DAWs or video playback.

A sophisticated 40-input digital mixing console is integrated with the SX-1LE's recording section for seamless operation and stunning audio quality. Each of the 32 channel inputs has powerful processing features like 3-band parametric EQ and dynamics, and can be routed to the 8 buss outputs or stereo outs. Four stereo effects returns are provided for the four realtime DSP plug-ins. The SX-1LE can mix in 5.1 surround, and even has a dedicated 6-channel stem recorder to capture your mixes.

Each component of the SX-1LE was carefully designed to offer world-class operation on its own. But with its intuitive design and natural user experience, the SX-1LE is much more than the sum of its parts. Its user interface was designed to function as a seamlessly integrated unit. Audio professionals and songwriters alike will feel comfortable relying on the SX-1LE for their most important projects.

* Estimated Street Price

TASCAM

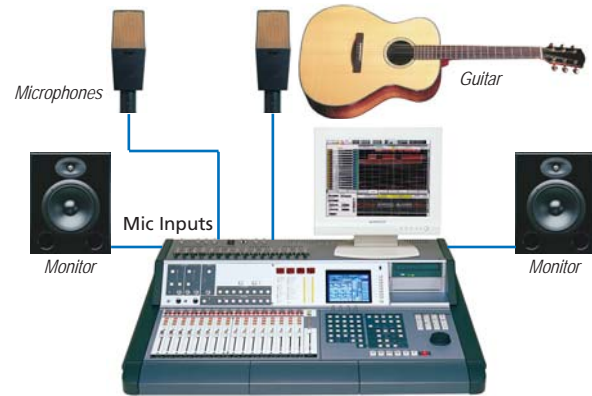
Home Recording & Education

The SX-1LE is one of the quickest interfaces for recording. With just four button presses you can begin recording – perfect for those moments when you just need to get a new idea down.

Despite its sophisticated feature set and advanced routing capabilities, the SX-1LE is intuitive and easy to use. As your arrangement begins to take shape, you'll appreciate the 16 tracks of 24-bit recording and the clarity of the 16 phantom-powered mic pres. The VGA display output allows you to edit your tracks until you've assembled the perfect take.

When you're ready to mix, you get 3-band EQ on each of the 32 input channels, plus 4 stereo effects returns for the built-in or external effects. All of your mixing moves are fully automated using the touch-sensitive moving faders, and automation can be edited on the display to get it just right.

As well as making the perfect turnkey studio for the songwriter at home, the SX-1LE is a perfect fit for



educational facilities as well. Rather than spending tens of thousands of dollars to assemble a recording studio lab for students, the SX-1LE provides all of the components you need to create a professional recording environment. Just add monitors and a microphone for a complete, low-cost solution.

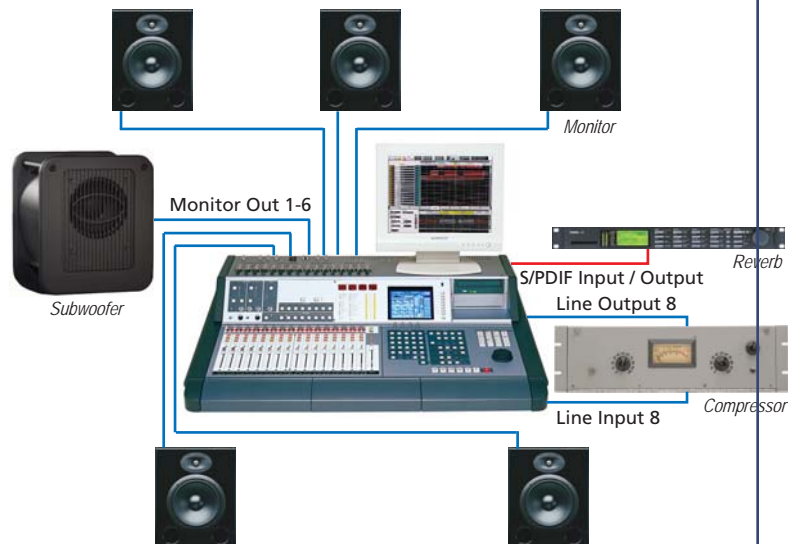
Surround Mixing

With its dedicated 6-channel stem controller and recorder, the SX-1LE is a good fit for studios looking to capture and manipulate surround audio. The SX-1LE implements an intuitive interface for working in surround. Using the comprehensive GUI, you can place your audio anywhere within a 360° field to set the levels and panning for your surround playback. Also included are advanced surround controls for setting divergence and LFE, as well as the ability to cancel the center channel.

There's also a wide variety of monitoring functions with the SX-1LE. An onboard speaker switcher allows access to its three speaker outputs. Nearfield and soffit speaker control room outputs can be fed by a large number of sources, including left/right, auxes 1-6, cue mix, 2-track inputs and others. Two headphone outputs are also included, fed by the control room or studio output signals.

The SX-1LE offers four simultaneous realtime effects, using TASCAM DSP technology. If you want

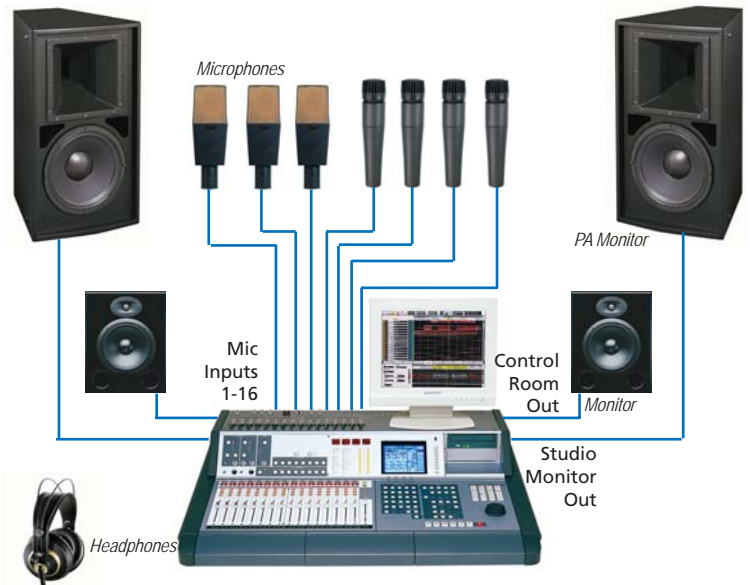
to expand into surround reverb, compression or other effects, it's simple to insert processors using the SX-1LE's flexible routing controls.



Houses of Worship

Churches have grown from small congregations to vast complexes, complete with large musical ensembles, video and audio conferencing, and full-fledged audio recording facilities. The SX-1LE is the perfect all-in-one solution for front-of-house audio mixing, recording ceremonies and productions, creation of Compact Discs for distribution, and content creation for classes and special promotions.

It offers the ability to create sophisticated live mixes and perform mixdowns with EQ and effects – all with the professional quality that today's congregations expect. Professional features like MIDI sequencing, DAW-style editing and touch-sensitive moving fader automation ensure that your productions will sound polished and dynamic.



Project Studios & Radio Production

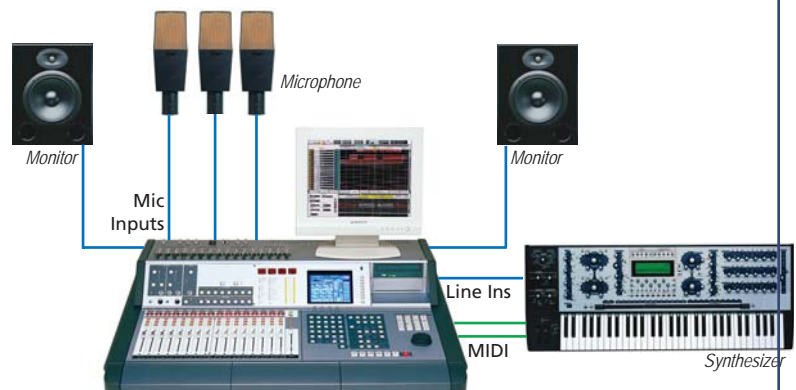
It's not uncommon for larger commercial recording studios and radio production facilities to offer one or more smaller rooms for projects that don't require as large an area to produce. One of the limiting factors in choosing gear for such a room is space, since fitting a large console, multitrack recorder, outboard signal processing, DAW-style editing, mixdown tools and MIDI sequencing can take up more room than a 10 x 10 area can provide. But the SX-1LE offers all of these abilities and more, in a compact package that's slightly over 3 feet wide by 2 feet deep.

In addition to powerful recording, mixing and editing capabilities, the SX-1LE has a professional-quality 128-track MIDI sequencer. Integrated with the recording engine, MIDI events can be controlled down to sample-accurate precision and scrubbed along with the audio. The four MIDI outputs provide access to 64 channels of MIDI tone generators, lighting controllers, effects processors, or any other equipment using the MIDI communication standard.

For multimedia projects, the SX-1LE can be synchronized using MIDI or SMPTE timecode. There's

also a word clock input and output for digital audio routing, in addition to two sets of S/PDIF digital inputs and outputs and ADAT optical digital I/O. As your studio expands, you can add another 24 digital or analog inputs and outputs using the three expansion slots.

Each of the SX-1LE's components offer the feature set and audio quality expected for high-end music and audio production, making it an attractive choice for smaller yet commercially viable recording environments.





SX-1LE Connections

- ▶ ADAT Optical Digital 8-channel Input
- ▶ ADAT Optical Digital 8-channel Output
- ▶ BNC Word Clock In and Out/Thru
- ▶ 1/4" TRS SMPTE Timecode Input
- ▶ MIDI Timecode Input
- ▶ MIDI Input
- ▶ (4) MIDI Outputs
- ▶ XVGA Monitor Output
- ▶ 10/100 base T Ethernet connection
- ▶ Three IF/DM format expansion slots for Analog, TDIF, ADAT or AES/EBU 8-channel expansion
- ▶ (2) 1/4" Stereo Headphone Jacks
- ▶ (16) Mic Inputs with Neutrik® XLR connectors
- ▶ Switchable Phantom Power
- ▶ (16) 1/4" TRS Balanced Line Inputs
- ▶ RCA 2-track Stereo Line Input
- ▶ (16) 1/4" TRS Insert Jacks
- ▶ Stereo XLR Line Outputs
- ▶ Stereo RCA Line Outputs
- ▶ (4) 1/4" TRS Balanced Aux Outputs
- ▶ Stereo 1/4" TRS Balanced Large Monitor Outputs
- ▶ Stereo 1/4" TRS Balanced Small Monitor Outputs
- ▶ Stereo 1/4" TRS Balanced Studio Monitor Outputs
- ▶ (2) S/PDIF Digital Inputs
- ▶ (2) S/PDIF Digital Outputs

Comparison Chart

	SX-1	SX-1LE
40-channel, 32 x 8 mixing engine	●	●
24-bit, 16-track hard disk recorder	●	●
128-track MIDI sequencer	●	●
5.1 surround mixing	●	●
SMPTE chase synchronization	●	●
MIDI time code synchronization	●	●
RS-422 Machine Control	●	-
Video reference synchronization	●	-
Fast/Wide SCSI expansion	●	-
TC Works plug-in effects	●	-
Antares plug-in effects	●	-
TASCAM plug-in effects	●	●
Expanded RAM for long recording time	●	-
Minimum Advertised Price	\$4,999	\$2,999



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